

Storm Data and Unusual Weather Phenomena - October 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY --- 1.7 W ILLINOIS CAMP [32.85, -104.43]				
	10/11/08 20:59 MST		0	Hail (0.75 in)
	10/11/08 21:03 MST		0	Source: Trained Spotter
Penny sized hail was reported by a trained spotter on the western side of Artesia.				
As a deep upper level low approached the area from southern California, Hurricane Norbert moved northeastward across the Eastern Pacific near the Baja Peninsula. This provided sufficient moisture across the region. As low level flow increased, further moistening of the boundary layer resulted. The combination of abundant moisture, increasing deep layer shear and increasing large scale lift ahead of approaching shortwave troughs rounding the base of the low resulted in showers and some severe thunderstorm activity over southeastern New Mexico. Severe coverage was limited due to the existing cloud cover throughout the day, which only resulted in small areas of decent instability.				
TEXAS, West				
WARD COUNTY --- 4.5 NNE ROYALTY [31.43, -102.85]				
	10/05/08 15:37 CST		0	Hail (1.25 in)
	10/05/08 15:43 CST		0	Source: Broadcast Media
An employee from News West 9, reported quarter to golf ball sized hail 6 miles north of Grandfalls, TX. It lasted a little over 5 minutes.				
CRANE COUNTY --- 9.4 W CRANE J BAR ARPT [31.52, -102.69]				
	10/05/08 15:45 CST		0	Hail (1.00 in)
	10/05/08 16:11 CST		0	Source: Trained Spotter
A trained spotter reported golf ball sized hail about 13 miles northwest of Imperial. About 25 minutes later, the same spotter reported quarter sized hail 17 miles north of Imperial.				
WARD COUNTY --- 2.7 NE ROYALTY [31.40, -102.85]				
	10/05/08 15:45 CST		0	Hail (1.75 in)
	10/05/08 15:49 CST		0	Source: Trained Spotter
A trained spotter reported golf ball or larger sized hail about 13 miles northwest of Imperial, TX.				
CRANE COUNTY --- 2.1 NNW CRANE J BAR ARPT [31.56, -102.54]				
	10/05/08 16:20 CST		0	Hail (0.88 in)
	10/05/08 16:22 CST		0	Source: Trained Spotter
A trained spotter reported nickel sized hail falling at the intersection of FM1601 & FM1233.				
PECOS COUNTY --- 1.3 SSE FT STOCKTON [30.86, -102.86]				
	10/05/08 17:32 CST		0	Thunderstorm Wind (EG 70 kt)
	10/05/08 17:40 CST		0	Source: Law Enforcement
A mobile home was blown over on the south side of Fort Stockton near the city limits on HWY 285 South. Powerlines were also blown down on the south side of Fort Stockton near the same location.				
ECTOR COUNTY --- 1.9 ESE ODESSA [31.84, -102.34], 1.3 SSE ODESSA [31.83, -102.36], 1.8 SSW ODESSA [31.83, -102.39], 1.6 SSW GREENFIELD ACRES [31.85, -102.41], 1.7 ENE GREENFIELD ACRES [31.88, -102.37]				
	10/05/08 18:20 CST		0	Flash Flood (due to Heavy Rain)
	10/05/08 19:30 CST		0	Source: Fire Department/Rescue
The Odessa Fire Department reported flooding across southern parts of the city. Six inches of flowing water crossed roadways.				
(TX-C135) ECTOR, (TX-Z050) ANDREWS				
	10/05/08 18:20 CST		0	Flash Flood
	10/05/08 20:30 CST		0	

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MIDLAND COUNTY --- 12.8 SSW SPRABERRY [31.74, -101.89], 8.3 S SPRABERRY [31.80, -101.83]				
	10/05/08 18:32 CST	0		Hail (1.25 in)
	10/05/08 18:40 CST	0		Source: Trained Spotter

A trained spotter reported quarter sized hail covering the roadway at the intersection of FM1379 and FM3095. Seven minutes later, the same spotter reported half dollar sized hail about 2 miles east northeast of the same intersection.

PECOS COUNTY --- 1.4 N SHEFFIELD [30.69, -101.83]				
	10/05/08 19:41 CST	0		Hail (1.00 in)
	10/05/08 19:43 CST	0		Source: Fire Department/Rescue

The Sheffield Fire Department reported skylight "windows" were knocked out due to quarter sized hail on the western side of town.

An approaching upper level shortwave trough and convergence along a surface cold front provided sufficient lift over most of southwest Texas. Although low level moisture was not too impressive (limiting CAPE values), the 0-6 km bulk shear was near 40-50 kts. A developing low level jet and strong forcing eventually resulted in a MCS forming over eastern portions of MAF's CWA by 8 PM CDT.

LOVING COUNTY --- RED BLUFF RES [31.93, -103.92], 5.5 ENE RED BLUFF RES [31.97, -103.84], 8.2 E RED BLUFF RES [31.94, -103.78], 6.4 ESE RED BLUFF RES [31.89, -103.82]				
	10/13/08 20:00 CST	0		Flash Flood (due to Heavy Rain)
	10/13/08 21:00 CST	0		Source: Law Enforcement

Local law enforcement reported flooding near Red Bluff Lake on private roads. Water flowing over the roadways was up to a foot deep.

A strong upper level trough over the intermountain west moved into the area providing sufficient lift. This, combined with deep moisture (precipitable water values near 1.6 inches) in place, resulted in scattered thunderstorms over the Upper Trans Pecos region producing heavy rainfall amounts just behind a passing cold front.

(TX-Z258) GUADALUPE MOUNTAINS OF CULBERSON COUNTY				
	10/26/08 17:51 MST	0		High Wind (MAX 55 kt)
	10/27/08 08:51 MST	0		

A strong cold front moved through the Guadalupe Mountains on October 26. Surface pressure rises behind the front increased the pressure gradient across the area. This resulted in the funneling of northerly winds through the Guadalupe Pass.